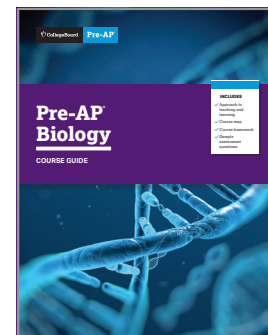




Pre-AP Biology and Alabama Course of Study: Science Alignment Summary

Pre-AP courses focus deeply on a limited number of concepts and skills with the broadest relevance for high school coursework and college and career success. The course framework serves as the foundation of the course and defines these prioritized concepts and skills.

When teaching a Pre-AP course, teachers have purposeful time and space to bring their own voice and lessons into each unit to best meet the needs of their students and address the full range of state standards. This alignment summary demonstrates the deep connections between the Pre-AP Biology Course Framework and the Alabama Course of Study: Science for Biology to support teachers and schools in their planning. Along with the corresponding standards crosswalk, teachers and schools can use this alignment summary when planning and preparing to implement Pre-AP Biology.



Alignment at a Glance: Very Strong

Alabama Course of Study: Science:



- **From Molecules to Organisms: Structures and Processes**
- **Ecosystems: Interactions, Energy, and Dynamics**
- **Heredity, Inheritance, and Variation of Traits**
- **Unity and Diversity**

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Biology Course Framework and the Alabama Course of Study: Science is very strong.
- ✓ Across all four disciplinary core ideas of the Alabama Course of Study: Science, the majority of the Biology standards are addressed in full or in part by the Pre-AP framework.
- ✓ The Alabama Course of Study: Science and the Pre-AP framework share the strongest alignment within the disciplinary core ideas Molecules to Organisms: Structures and Processes; Ecosystems: Interactions, Energy and Dynamics; and Heredity, Inheritance, and Variation of Traits.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Biology Course Framework and the Alabama Course of Study: Science is described as *very strong* or *partial*. A *very strong* alignment is one in which the majority of standards are addressed by the mapped Pre-AP Learning Objectives (LOs). A *partial* alignment is one in which the standards are partially addressed by the corresponding Pre-AP Learning Objectives. Partial alignment can occur when one framework includes greater specificity or extends beyond the scope of the other framework. Given the focused nature of the Pre-AP course framework, some partial alignments are to be expected.

Discipline Highlights



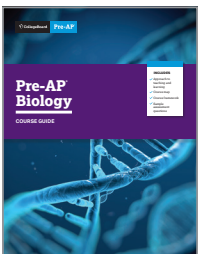
While the overall alignment between the Alabama Course of Study: Science and the Pre-AP Biology framework is very strong, there are some expected areas of partial alignment or gaps in alignment due to the more granular nature of some of the Alabama Course of Study: Science standards.



The Alabama Course of Study: Science standards include greater specificity than the Pre-AP Learning Objectives for some topics. For example, standard 13 in the Unity and Diversity disciplinary core idea specifies students should “Obtain, evaluate, and communicate information to explain how organisms are classified by physical characteristics, organized into levels of taxonomy, and identified by binomial nomenclature (e.g., taxonomic classification, dichotomous keys).” This level of specificity is outside the scope of the Pre-AP Biology course, which has a prioritized set of concepts.

Summary

Beyond alignments to the course framework, it is also important for educators to turn to the Pre-AP Shared Principles and Pre-AP Biology Areas of Focus to understand the full picture of alignment between Pre-AP Biology and the Alabama Course of Study: Science. The shared principles and areas of focus represent the Pre-AP approach to teaching and learning, and these principles deeply address skill development and disciplinary practices that cannot be easily captured within a standards crosswalk. **In summary, there are ample opportunities for teachers to address the Alabama Course of Study: Science with confidence throughout this course.**



Learn more about Pre-AP Biology at preap.org